

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A SNP probe consisting of an oligonucleotide that is complementary to a SNP nucleic acid selected from the SNP nucleic acids shown in SEQ ID NOs: ~~64,696-149,311~~ 1-325,720.